

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
6 November 2003 (06.11.2003)

PCT

(10) International Publication Number  
**WO 2003/092044 A3**

(51) International Patent Classification<sup>7</sup>: **G05B 19/418**

(21) International Application Number:  
PCT/US2003/010531

(22) International Filing Date: 8 April 2003 (08.04.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/374,486 23 April 2002 (23.04.2002) US

(71) Applicant (for all designated States except US): **TOKYO ELECTRON LIMITED** [JP/JP]; TBS Broadcast Center, 3-6 Akasaka 5-chome, Minato-ku, Tokyo 107 (JP).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **FUNK, Merritt**

[US/US]; 3801 Mordor Coves, Austin, TX 78739 (US).  
**CHEN, Wei** [CN/US]; 2103 Windy Oaks Cove, Cedar Park, TX 78613 (US).

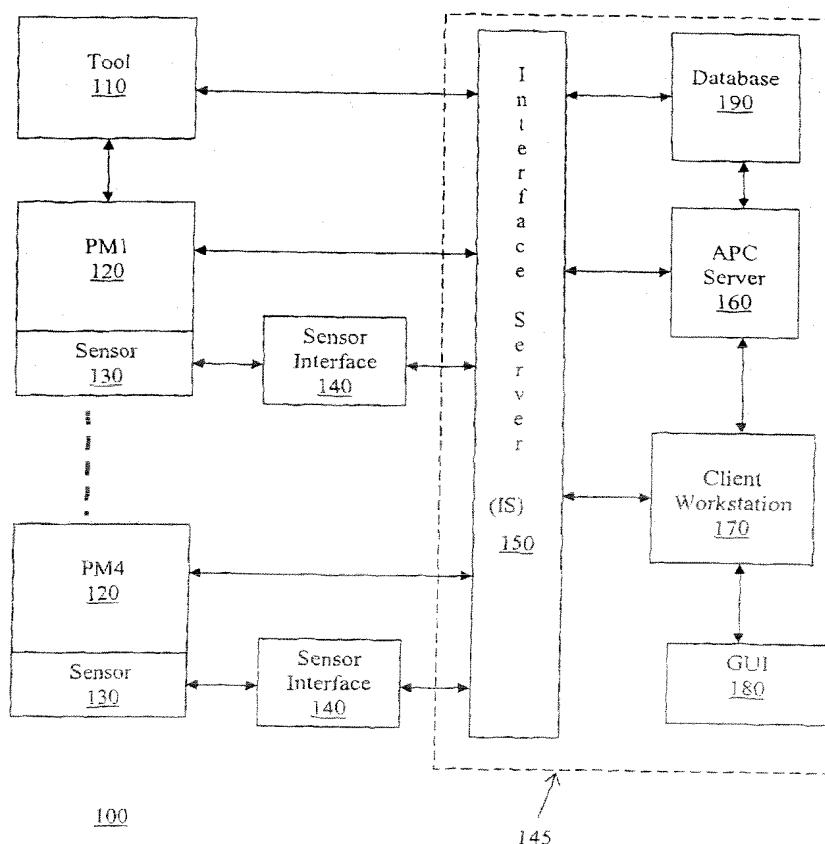
(74) Agents: **LAZAR, Dale, S. et al.**; Pillsbury Winthrop LLP, P.O. Box 10500, McLean, VA 22102 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GI, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW). Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM). European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO).

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR SIMPLIFIED SYSTEM CONFIGURATION



(57) Abstract: A GUI is presented for configuring and initializing a semiconductor processing system, which includes a number of processing tools, a number of processing modules, a number of sensors, a number of processing models, and an alarm management system. The graphical display is organized so that all significant parameters are clearly and logically displayed so that the user is able to perform the desired configuration, initialization, and troubleshooting tasks with as little input as possible. The GUI is web-based and is viewable by a user using a web browser.

WO 2003/092044 A3



SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

**(88) Date of publication of the international search report:**

5 February 2004

## INTERNATIONAL SEARCH REPORT

Internati plication No

PCT/US 03/10531

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G05B19/418

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G05B G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01 57823 A (DOMAIN LOGIX CORP) 9 August 2001 (2001-08-09) page 1, line 6 - line 8 page 3, line 12 - line 20 figures 1,3-5,7	1-37
A	EP 1 072 967 A (APPLIED MATERIALS INC) 31 January 2001 (2001-01-31) the whole document	1-37

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## ° Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&amp;\* document member of the same patent family

Date of the actual completion of the international search

12 November 2003

Date of mailing of the international search report

05/12/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Sundin, M

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 03/10531

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0157823	A	09-08-2001	AU 3316401 A	14-08-2001
			WO 0157823 A2	09-08-2001
			US 2002026514 A1	28-02-2002
EP 1072967	A	31-01-2001	EP 1072967 A2	31-01-2001
			JP 2001143981 A	25-05-2001
			TW 514771 B	21-12-2002
			US 2002156548 A1	24-10-2002